



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Attorney Docket No.: 47233-5008-00-US	Serial No.: 10/591,316
	Applicants Kenichi HIGASHIYAMA et al.	Page 1 of 1
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U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
	US 2004/0253724 A1	12/16/2004	Yamoako			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	<u>Translation</u> YES NO	
	JP 03-231965	03/23/1993	Japan			X (Abstract)	
	JP 2002-294420	04/30/2004	Japan			X (Abstract)	
	JP 2003-189846	07/08/2003	Japan			X (Abstract)	
	EP 0 543 023 A1	05/26/1993	EP				
	WO 92/21764	12/10/1992	WIPO			X (Abstract)	
	WO 03/033683 A1	04/24/2003	WIPO			X (Absrtract)	

OTHER DOCUMENTS

(Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

	KOBAYASHI et al., "Photo-dependent astaxanthin biosynthesis in a green alga, <i>Haematococcus pluvialis</i> ," Seibutsu Kogakukai-shi 71(4), 1993, pp 233-237 (Abstract)
	Food Style 21, 5(12), 2001 pp 25-35 (in Japanese-language)
	KOBAYASHI et al., "Growth and Astaxanthin Formation of <i>Haematococcus pluvialis</i> in Heterotrophic and Mixotrophic Conditions," Journal of Fermentation and Bioengineering, Vol. 74, No. 1, 1992, pp 17-20
	KOBAYASHI et al., "Light-independent, astaxanthin production by the green microalga <i>Haematococcus pluvialis</i> under salt stress," Biotechnology Letters, Vol. 19, No. 6, June 1997, pp 507-509
	TIAHJONO et al., "Hyper-Accumulation of Astaxanthin in a Green Alga <i>Haematococcus pluvialis</i> at Elevated Temperatures," Biotechnology Letters, Vol. 16, No. 2, February 1994, pp 133-138
	CHAUMONT, "Biotechnology of algal biomass production: a review of systems for outdoor mass culture," Journal of Applies Phycology 5, 1993, pp 593-604
	HARKER et al., "Autotrophic Growth and Carotenoid Production of <i>Haematococcus pluvialis</i> in a 30 Liter Air-Lift Photobioreactor," Journal of Fermentation and Bioengineering, Vol. 82, No. 2, 1996, pp 113-118
	FABREGAS et al., "Optimization of culture medium for the continuous cultivation of the microalga <i>Haematococcus pluvialis</i> ," Appl. Microbiol. Biotechnol., Vol. 53, 2000, pp 530-535
	ZHANG et al., "Two-step process for ketocarotenoid production by a green alga, <i>Chlorococcum</i> sp. Strain MA-1," Appl. Microbiol. Biotechnol., Vol. 55, 2001, pp 537-540
	KOBAYASHI et al., "Astaxanthin Production by a Green Alga, <i>Haematococcus pluvialis</i> , Accompanied with Morphological changes in Acetate Media," Journal of Fermentation and Bioengineering, Vol. 71, No. 5, 1991, pp 335-339
	RENSTROM et al., "Optical Purity of (3S,3'S)-Astaxanthin from <i>Haematococcus pluvialis</i> ," Phytochemistry, Vol. 20, No. 11, 1981, pp 2561-2564
	"World Catalogue of Algae," Japan Scientific Societies Press, 1989, pp 132-133
	KOBAYASHI et al., "Morphological Changes in the Life Cycle of the Green Alga <i>Haematococcus pluvialis</i> ," Journal of Fermentation and Bioengineering, Vol. 84, No. 1, 1997, pp 94-97
	"BioAstin, Nature's Premier Astaxanthin Source," NatuRose Technical Bulletin No. 78, Cyanotech Corporation, 2000
	LIU et al., "Dynamic Changes of Inorganic Nitrogen and Astaxanthin Accumulation in <i>Haematococcus pluvialis</i> ," Chinese Journal of Oceanology and Limnology, Vol. 20, No. 4, 2002, pp 358-364

Examiner /Sheridan Macauley/	Date Considered 08/13/2009
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